AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (original) A method for assembling carbon particles into at least one fiber, the method comprising the steps of:

aligning said carbon particles by flowing a mixture of said carbon molecules and a curable liquid down a tapering tube starting at a first end of said tapering tube; and

curing said flowing mixture at least near a second end of said tapering tube whereby a fiber is formed.

2. (original) The invention as defined in claim 1 further comprising the step of dispersing said carbon particles within said curable liquid to form said mixture.

3. (original) The invention as defined in claim 1 wherein said curable liquid cures, at least in part, in the presence of ultraviolet light.

4. (original) The invention as defined in claim 1 further comprising the step of heating said fiber so as to cause at least some volatile elements therein to substantially dissipate therefrom.

5. (original) The invention as defined in claim 1 further comprising the step of twisting said fiber.

6. (original) The invention as defined in claim 1 further comprising the step of increasing the density of said fiber.

7. (original) The invention as defined in claim 1 comprising the step of heating said fiber.

8. (original) The invention as defined in claim 1 comprising the step of sintering at least some of said carbon particles within said fiber.

9. (original) The invention as defined in claim 1 comprising the step of cladding said fiber.

10. (original) The invention as defined in claim 1 comprising the step of spooling said fiber onto a take-up drum.

11. (Currently amended) The invention as defined in claim 1 wherein said curable liquid ~~is~~ comprises at least one of the group consisting of:

(i) a copolymer of (a) methylmethacrylate with (b) the ester of methacrylic acid and anthaceyl methanol; and

(ii) PS2067.

12. (original) The invention as defined in claim 1 wherein carbon particles comprise at least carbon nanotube molecules.

13. (original) The invention as defined in claim 1 wherein carbon particles comprise at least carbon fibrils.

14. (withdrawn) A fiber produced by the process defined in claim 1.

15. (original) The invention as defined in claim 1 wherein said curing step is performed, at least in part, by shining ultraviolet light upon said mixture.

16. (original) The invention as defined in claim 1 wherein said curing is performed at least in part while said mixture remains within said tapering tube.

17. (original) The invention as defined in claim 1 wherein said tapering tube has a portion that is at least partially translucent to ultraviolet light.

18. (original) The invention as defined in claim 1 wherein said curing is performed at least in part after said mixture has exited from said tapering tube.

19. (original) A method for assembling carbon particles into at least one aligned fiber, the method comprising the step of passing a curable liquid containing carbon through a tapering tube, whereby said carbon particles become substantially aligned.

20. (original) The invention as defined in claim 19 wherein said carbon particles are carbon nanotube molecules.

21. (original) The invention as defined in claim 19 wherein said carbon particles are carbon fibrils.

22. (withdrawn) A carbon particle fiber comprising carbon particles that were aligned at least in part by being flowed through a tapering tube as part of a curable liquid.

23. (withdrawn) The invention as defined in claim 22 wherein said carbon particles are carbon nanotube molecules.

24. (withdrawn) The invention as defined in claim 22 wherein said carbon particles are carbon fibrils.

25. (withdrawn) A carbon particle fiber comprising substantially only aligned carbon particles that were aligned at least in part while intermixed within a carrier substance.

26. (withdrawn) The invention as defined in claim 25 wherein said carbon particles are carbon nanotube molecules.

27. (withdrawn) The invention as defined in claim 25 wherein said carbon particles are carbon fibrils.

28. (original) A method for assembling carbon particles into at least one fiber, the method comprising the steps of:

aligning said carbon particles by flowing a mixture of said carbon molecules and a curable liquid down a tapering tube starting at a first end of said tapering tube;

curing said flowing mixture at least near a second end of said tapering tube using ultraviolet light whereby a fiber is formed;

heating said fiber so as to cause any volatile elements from said solidified curable liquid to substantially dissipate from said fiber;

twisting said fiber to increase its density; and

heating said fiber to sinter said carbon particles within said fiber.

29. (original) The invention as defined in claim 28 further comprising the step of cladding said fiber.

30. (original) The invention as defined in claim 28 wherein said carbon particles are carbon nanotube molecules.

31. (original) The invention as defined in claim 28 wherein said carbon particles are carbon fibrils.